## WHAT FACTORS INCREASE THE EFFECTIVENESS OF IMPLICIT BIAS TRAINING?

Markus Brauer

Department of Psychology and Wisconsin School of Business

University of Wisconsin-Madison

NIH Panel Discussion - September 27, 2021

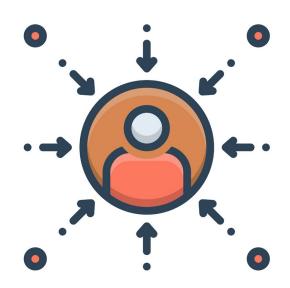
## **OBSERVATIONS**

- → In most other domains, we do not use "training" to change behaviors
- → Many biases are quite explicit
- → The term "Implicit Bias Training" is used to describe very different activities

# FIVE FACTORS THAT INCREASE THE EFFECTIVENESS OF IMPLICIT BIAS TRAINING

Does the training go "beyond" implicit bias (i.e., beyond the construct measured by the "Implicit Association Test")?

- → Bias literacy (Carnes et al., 2015)
- → Specific, easy-to-implement strategies to overcome bias (Devine et al., 2017)



## Does the training communicate messages that training participants are receptive to?

#### What doesn't work:

→ Blaming people for poor race relations, making them feel guilty, telling them that they are all racist, attributing their success to "White privilege"

#### What works:

- → Talking about the obstacles faced by members of marginalized groups
- → Communicating that for everyone there are certain groups toward whom they can be more inclusive

## Does the training focus on behaviors to be changed?



- → Does it communicate clearly what types of <u>discriminatory</u> <u>behaviors</u> people should no longer engage in?
- → Does it communicate clearly what types of <u>inclusive</u> <u>behaviors</u> people should engage in more often from now on?
- → Do training participants feel empowered afterwards? ["self-efficacy"]

## Does the training communicate a social norm of non-discrimination and inclusion?

- → Does it make obvious that the leadership and the institution consider diversity and inclusion to be core values?
- → Is it being said that most people are concerned about discrimination and systemic injustice and support the institution's pro-diversity initiatives?



## Is the training tailored toward a specific "target audience?"

- → One size fits all approaches don't work
- → Need to find out from members of marginalized groups in your institution what needs to change so that they feel more included (climate survey)
- → Need to find out from members of non-marginalized groups in your institution what needs to happen so that these changes are implemented (climate survey)



## ALTERNATIVE APPROACHES

Social norms approaches → Culture Change (Murrar et al., 2020, Nature Human Behavior)

Approaches that target organizational practices

- → Institutional Change
- \* other panelists
- \* e.g., Diversity Checklist for University Departments <a href="https://bit.ly/brauerdiversitychecklist">https://bit.ly/brauerdiversitychecklist</a>)

## Thank you!

Markus Brauer University of Wisconsin–Madison

markus.brauer@wisc.edu

http://psych.wisc.edu/Brauer/BrauerLab/

Follow us on Twitter: @brauerlab1

#### RELEVANT PUBLICATIONS

- Applebaum, B. (2019). Remediating campus climate: implicit bias training is not enough. *Studies in Philosophy and Education*, 38(2), 129-141.
- Brauer, M., Dumesnil, A., & Campbell, M. R. (in press). Using a social marketing approach to develop a pro-diversity intervention. *Journal of Social Marketing*.
- Campbell, M., & Brauer, M. (2021). Is discrimination widespread? Testing assumptions about bias on a university campus. *Journal of Experimental Psychology: General*, 150(4), 756–777.
- Campbell, M. R. & Brauer, M. (2020a). Incorporating social marketing insights into prejudice research: Advancing theory and demonstrating real-world applications. *Perspectives on Psychological Science*, 15(3), 608–629.
- Carnes, M., Devine, P. G., Manwell, L. B., ... & Sheridan, J. (2015). Effect of an intervention to break the gender bias habit for faculty at one institution: a cluster randomized, controlled trial. *Academic Medicine*, 90(2), 221.
- Chang, E. H., Milkman, K. L., Gromet, D. M., Rebele, R. W., Massey, C., Duckworth, A. L., & Grant, A. M. (2019). The mixed effects of online diversity training. *Proceedings of the National Academy of Sciences*, 116(16), 7778-7783.
- Daumeyer, N. M., Onyeador, I. N., Brown, X., & Richeson, J. A. (2019). Consequences of attributing discrimination to implicit vs. explicit bias. *Journal of Experimental Social Psychology*, 84, 103812.
- Devine, P. G., & Ash, T. (2022). Diversity training goals, limitations, and promise: A review of the multidisciplinary literature. *Annual Review of Psychology*.
- Devine, P. G., Forscher, P. S., Cox, W. T., Kaatz, A., Sheridan, J., & Carnes, M. (2017). A gender bias habit-breaking intervention led to increased hiring of female faculty in STEMM departments. *Journal of Experimental Social Psychology*, 73, 211-215.
- Dobbin, F., & Kalev, A. (2018). Why doesn't diversity training work? The challenge for industry and academia. *Anthropology Now*, 10(2), 48-55.
- Er-rafiy, A., & Brauer, M. (2013). Modifying perceived variability: Four laboratory and field experiments show the effectiveness of a ready-to-be-used prejudice intervention. Journal of Applied Social Psychology, 43, 840-853.

#### RELEVANT PUBLICATIONS

- Er-rafiy, A., & Brauer, M. (2012). Increasing perceived variability reduces prejudice and discrimination: Theory and application. Social and Personality Psychology Compass, 6(12), 920-935.
- Forscher, P. S., Cox, W. L., Brauer, M., Devine, P. G. (2019). Little race or gender bias in an experiment of initial review of NIH R01 grant proposals. *Nature Human Behaviour*, *3*, 257-264.
- Forscher, P. S., Lai, C. K., Axt, J. R., Ebersole, C. R., Herman, M., Devine, P. G., & Nosek, B. A. (2019). A meta-analysis of procedures to change implicit measures. *Journal of Personality and Social Psychology*, 117, 522-559.
- Hofstra, B., Kulkarni, V. V., Galvez, S. M. N., He, B., Jurafsky, D., & McFarland, D. A. (2020). The diversity–innovation paradox in science. *Proceedings of the National Academy of Sciences*, 117(17), 9284-9291.
- Lai, C. K., Skinner, A. L., Cooley, E., Murrar, S., Brauer, M., Devos, T., ... & Nosek, B. A. (2016). Reducing implicit racial preferences: II. Intervention effectiveness across time. *Journal of Experimental Psychology: General*, 145, 1001.
- Moss-Racusin, C. A., Pietri, E. S., Hennes, E. P., Dovidio, J. F., Brescoll, V. L., Roussos, G., & Handelsman, J. (2018). Reducing STEM gender bias with VIDS (video interventions for diversity in STEM). *Journal of Experimental Psychology: Applied*, 24(2), 236.
- Mousa, S. (2020). Building social cohesion between Christians and Muslims through soccer in post-ISIS Iraq. *Science*, *369*(*6505*), 866-870.
- Murrar, S., & Brauer, M. (2019). Overcoming resistance to change: Using narratives to create more positive intergroup attitudes. *Current Directions in Psychological Science*, 28(2), 164-169.
- Murrar, S., Campbell, M. R., & Brauer, M. (2020). Exposure to peers' pro-diversity attitudes increases inclusion and reduces the achievement gap. *Nature Human Behaviour*, *4*, 889–897.
- Murrar, S., Gavac, S., & Brauer, M. (2017). Reducing prejudice. In R. Summers (Ed.), Social Psychology: How other people influence our thoughts and actions. Santa Barbara: ABC-CLIO, Inc.
- Paluck, E. L., Porat, R., Clark, C. S., & Green, D. P. (2021). Prejudice reduction: Progress and challenges. *Annual Review of Psychology*, 72, 533-560.
- Tankard, M. E., & Paluck, E. L. (2016). Norm perception as a vehicle for social change. *Social Issues and Policy Review*, 10(1), 181-211.